

**Notice of Allowability**

Application No.

09/520,810

Examiner

Anh-Vu H. Ly

Applicant(s)

FUKUYAMA ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment after final dated October 13, 2005.
2. ☒ The allowed claim(s) is/are 1-2, 4-27, 29, 31, 34, and 36-37 renumbered as 1-31 respectively.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## DETAILED ACTION

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mehdi Sheikerz on December 02, 2005.

The application has been amended as follows:

#### *In The Claims*

4. (Currently Amended) A computer readable recording medium whereon is stored a packet-switched network multimedia phone communication control program ~~controlling to~~ control a packet-switched phone, which ~~that~~ is directly communicably connectable on a packet switched network with a packet-switched phone controller, via ~~respective~~ packet-switched input/output interfaces in the packet-switched phone and the packet-switched phone controller, respectively, according to a process comprising:

receiving from the packet-switched phone controller on the packet switched network a control command that includes an instruction related to a packet-switched network multimedia phone call function on said packet-switched network and related to a packet-switched phone function control of the packet-switched phone; and

performing the instruction received in the control command, the instruction including control of the packet-switched network multimedia phone call function with another packet-switched phone on the packet-switched network and the packet-switched phone function.

5. (Currently Amended) A packet-switched network multimedia phone communication control method for use in a packet-switched communication system that includes a plurality of packet-switched phones that are directly communicably connectable on the packet switched communication system with a packet-switched phone controller, via ~~respective~~ packet switched input/output interfaces in the packet-switched phone and the packet-switched phone controller, respectively, the method comprising:

sending from said packet-switched phone controller to one of said packet-switched phones an instruction related to a packet-switched network multimedia phone call function on said packet switched ~~network~~ communication system and related to a packet-switched phone function control of the one packet-switched phone, and

performing in said one packet-switched phone, the packet-switched network multimedia phone call function with another packet-switched phone on said packet switched ~~network~~ communication system and the packet-switched phone function, according to the instruction from said packet-switched phone controller.

6. (Currently Amended) A packet-switched network multimedia phone communication control system comprising:

a plurality of packet-switched phones that are directly communicably connectable by a packet switched network with a packet-switched phone controller, via ~~respective~~ packet switched input/output interfaces in the packet-switched phone and the packet-switched phone controller, respectively, wherein

said packet-switched phone controller includes a control target list having information identifying at least one of said packet-switched phones, a terminal controller generating, based on an instruction from a user, a control command that includes an instruction related to a packet-switched network multimedia phone call function and related to a packet-switched phone function control of one of said packet-switched phones, and transmitting the control command to one of said packet-switched phones; and

each packet-switched phone includes a terminal list including information relating to said packet-switched phone controller, and a phone controller performing, based on the control command received from said packet-switched phone controller, the packet-switched network multimedia phone call function with another packet-switched phone on said packet switched network and the packet-switched phone function.

Claim 7, in line 4, replace "said other" with - -said another- -.

Claim 11, in line 21, replace "the other" with - -another- -.

Claim 17, in line 5, replace "the other" with - -another- -.

Claim 23, in line 18, replace "the other" with - -another- -.

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Claim 24, in line 18, replace “the other” with - -another- - and in line 19, replace “network” with - -phone- -.

29. (Currently Amended) A packet-switched network multimedia phone on packet switched network, comprising:

a terminal list storing information relating to a predetermined packet-switched phone controller that is directly communicably connectable with the packet-switched network multimedia phone on said packet switched network via ~~respective~~ packet-switched input/output interfaces in the packet-switched phone and the packet-switched phone controller, respectively, and

a controller using the terminal list and receiving from said predetermined packet-switched phone controller, a packet-switched network multimedia phone call function control command and a packet-switched phone function control command, and performing, based on said packet-switched network multimedia phone call function control command and the packet-switched phone function control command, the packet-switched network multimedia phone function call with another packet switched phone on said packet switched network and the packet-switched phone function.

31. (Currently Amended) A computer readable recording medium whereon is recorded a packet-switched network multimedia phone communication control program ~~controlling to control~~ control a packet-switched phone, which ~~that~~ is directly communicably connectable on a packet switched network with a packet-switched phone controller, via ~~respective~~ packet-switched

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input/output interfaces in the packet-switched phone and the packet-switched phone controller, respectively, according to a process comprising:

storing information relating to the packet-switched phone controller on said packet switched network;

receiving from said packet-switched phone controller a packet-switched network multimedia phone call function control command and a packet-switched phone function control command; and

performing according to the stored information of the packet-switched phone controller and, based on said packet-switched network multimedia phone call function control command and the packet-switched phone function control command, the packet-switched network multimedia phone call function with another packet-switched phone on said packet switched network and the packet-switched phone function.

33. (Canceled).

34. (Currently Amended) A packet-switched network multimedia phone communication control method used in a packet-switched multimedia phone communication system having a packet-switched phone that is directly communicably connectable on a packet switched network with a packet-switched phone controller via ~~respective~~ packet-switched input/output interfaces in the packet-switched hone and the packet-switched phone controller, respectively, the method comprising:

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reporting from said packet-switched phone to said packet-switched phone controller an instruction from a use of the packet-switched phone,

generating by said packet-switched phone a response to a packet-switched network multimedia phone call function control command and a packet-switched phone function control command from said packet-switched phone controller, and/or an event of the packet-switched network multimedia phone call function with a communicating party of the packet-switched network multimedia phone call function, and

controlling from packet-switched phone controller, a packet-switched network multimedia phone call function and a packet-switched phone function according to the reporting and/or the generated event from said packet switched phone.

36. (Currently Amended) A computer readable recording medium whereon is recorded a packet-switched network multimedia phone communication control program ~~controlling to control~~ a packet-switched phone, which ~~that~~ is directly communicably connectable on a packet switched network with a packet-switched phone controller via ~~respective~~ packet-switched input/output interfaces in the packet-switched phone and the packet-switched phone controller, respectively, according to a process comprising:

generating, based on an instruction from a user of the packet-switched phone, a response control command in response to a control command from said packet-switched phone controller, the response control command reporting information regarding a packet-switched network multimedia phone call function, and/or an event of the packet-switched network multimedia

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phone call function with a communicating party of the packet-switched network multimedia  
phone call function; and

transmitting the response control command to the packet-switched phone controller on  
said packet switched network.

37. (Currently Amended) A computer readable recording medium whereon is recorded a  
packet-switched network multimedia phone communication control program ~~controlling to~~  
control a packet-switched phone controller, which ~~that~~ is directly communicably connectable on  
a packet switched network with a packet-switched phone via ~~respective~~ packet-switched  
input/output interfaces in the packet-switched phone and the packet-switched phone controller,  
respectively, according to a process comprising:

receiving from the packet-switched phone, a response control command in response to a  
control command from said packet-switched phone controller, the response control command  
including information related to a packet-switched network multimedia phone call function and a  
packet-switched phone function, and/or an event of the packet-switched network multimedia  
phone call function with a communicating party of the packet-switched network multimedia  
phone call function on packet switched network; and

controlling, based on the response control command, the packet-switched network  
multimedia phone call function and/or the phone function of said packet switched network.

***Allowable Subject Matter***

2. Claims 1-2, 4-27, 29, 31, 34, and 36-37 are allowed.



The following is an examiner's statement of reasons for allowance:

The prior art does not teach or fairly suggest controlling from the packet-switched phone, the packet-switched network phone call function with another packet-switched phone on the packet-switched network and the packet-switched phone function, according to the call function control command and the packet-switched phone function control command from the packet-switched phone controller, as specified in independent claims 1-2, 4-6, and 29-31.

The prior art does not teach or fairly suggest a phone controller of each packet-switched phone performing, based on the multimedia phone communication control command from the information terminal, multimedia phone communication with another packet-switched phone on the packet switched network, and transmitting a control command that reports the state of the multimedia phone communication with another packet-switched phone to the information terminal, as specified in independent claim 11.

The prior art does not teach or fairly suggest a phone controller of each packet-switched phone transmitting a control command, that reports the state of the multimedia phone communication, to the information terminal and performing the multimedia phone communication with another packet-switched phone on the packet switched network according to the multimedia phone communication control command having a highest priority from among a plurality of multimedia phone communication control commands transmitted from the information terminal in response to the multimedia phone communication state control command reporting of the multimedia phone communication state by the phone controller, as specified in independent claim 18.

The prior art does not teach or fairly suggest a phone controller of each packet-switched phone performing, based on the multimedia phone communication control command from the information terminal, multimedia phone communication with another packet-switched phone on the packet switched network, and transmitting, based on the recorded message information retrieval control command, a control command including the recorded message information stored in the data storage of the packet switched phone, to the information terminal, as specified in independent claims 19-21.

The prior art does not teach or fairly suggest a phone controller of each packet-switched phone performing, based on the multimedia phone communication control command from the information terminal, multimedia phone communication with another packet-switched phone on the packet switched network, and transmitting, based on communication log retrieval control command, the retrieved communication log control command that the communication log stored in the data storage of the packet switched phone, as specified in independent claim 22.

The prior art does not teach or fairly suggest a phone controller of each packet-switched phone performing, based on the multimedia phone communication control command from the information terminal, multimedia phone communication with another packet-switched phone on the packet switched network, and storing, based on the message storage control command, the message in the data storage, and reporting storage of the stored message to another packet switched phone, as specified in independent claim 23.

The prior art does not teach or fairly suggest a phone controller of each packet-switched phone performing, based on the multimedia phone communication control command from the information terminal, multimedia phone communication with another packet-switched phone on

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the packet switched network, and storing, based on forward destination setting control command, the forwarding destination setting in the data storage of the packet switched phone, and reporting the forwarding destination setting to another packet switched phone in a predetermined case, as specified in independent claim 24.

The prior art does not teach or fairly suggest a phone controller of each packet-switched phone performing, based on the multimedia phone communication control command from the information terminal, multimedia phone communication with another packet-switched phone on the packet switched network, and transmitting the input occurrence report control command, based upon an input to the input unit, to the information terminal, as specified in independent claim 26.

The prior art does not teach or fairly suggest a phone controller of each packet-switched phone performing, based on the multimedia phone communication control command from the information terminal, multimedia phone communication with another packet-switched phone on the packet switched network, and comparing the authentication information included in the multimedia phone communication control command and the authentication information of the terminal list to authenticate the information terminal, as specified in independent claim 27.

The prior art does not teach or fairly suggest generating by packet switched phone a response to a packet switched network multimedia phone call function control command and a packet switched phone function control command from the packet switched phone controller and/or an event of the packet switched network multimedia phone call function with a communicating party of the packet switched network multimedia phone call function and controlling from the packet switched phone controller, a packet switched network multimedia

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phone call function and a packet switched phone function according to the report and/or the generated event from the packet switched phone, as specified in independent claim 34.

The prior art does not teach or fairly suggest generating a response control command, the response control command reporting information regarding a packet switched network multimedia phone call function and/or an event of the packet switched network multimedia phone call function with a communicating party of the packet switched network multimedia phone call function and transmitting the response control command to the packet switched phone controller, as specified in independent claims 36 and 37.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Buhler et al (US Patent No. 6,128,285) discloses monitoring of a packet telephony device via a control device.

Bruno et al (US Pub 2002/0075855 A1) discloses method and apparatus for a remote signaling and call processing in a telecommunications network.


4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh-Vu H. Ly whose telephone number is 571-272-3175. The examiner can normally be reached on Monday-Friday 7:00am - 4:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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